Datasheet for ABIN7320426

FCGR2B Protein (Biotin,His-Avi Tag)

1 Image

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Overview

Quantity:	100 µg
Target:	FCGR2B
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FCGR2B protein is labelled with Biotin,His-Avi Tag.

Product Details

Purpose:	Recombinant Mouse CD32/FCGR2B Protein (His & AVI Tag), Biotinylated(Active)
Sequence:	Met 1-Arg 217
Characteristics:	A DNA sequence encoding the extracellular domain (Met 1-Arg 217) of mouse FGGR2B (NP_001070657.1) as fused with a c-terminal polyhistidine tagged AVI tag at the C-terminus. The expressed protein was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed.
Purity:	> 97 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	1. Measured by its ability to bind human IgG1 in a functional ELISA.2. Labeling ratio of biotin to protein: 0.5

Target Details

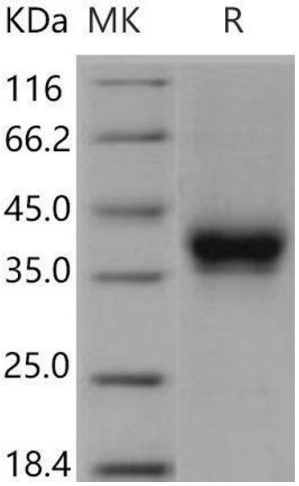
Target:	FCGR2B
Alternative Name:	CD32/FCGR2B (FCGR2B Products)
Background:	Background: Receptors for Fc portion of IgG (Fcγ Rs) are members of the Ig superfamily, and are divided into three classes designated Fcγ RI (CD64), Fcγ RII (CD32), and Fcγ RIII (CD16). CD32 protein is a low affinity receptor for IgG that binds only IgG immune complexes and is expressed on a diverse range of cells such as monocytes, macrophages, neutrophils, eosinophils, platelets, and B cells. Human CD32 class is encoded by three closely related genes, and designated Fcγ RII A, B, and C which share 94-99% amino acid identity in their extracellular domains but differ substantially in their transmembrane and cytoplasmic domains. CD32 is involved in a number of immune responses including antibody-dependent cell-mediated cytotoxicity, clearance of immune complexes, release of inflammatory mediators, and regulation of antibody production. Synonym: AI528646;CD32;F630109E10Rik;Fcgr2;Fcgr2a;FcgRII;Fcr-2;Fcr-3;fcRII;Fc[g]RII;Ly-17;Ly-m20;LyM-1
Molecular Weight:	23.9 kDa
NCBI Accession:	NP_001070657
Pathways:	Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Production of Molecular Mediator of Immune Response, BCR Signaling

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.